Electro-Optical Engineering Course Structure for Undergraduate programs
(Applicable after academic year 111)

Freshman1	Freshman2	Sophomore1	Sophomore2	Junior1	Junior2		Senior1	Senior2
English (I)3	English (II)3	Historical Thinking2	Democracy and Law2	Electronics Lab (II)	Student Project (I)1	Principles of Programming for Interface Control3	Student Project (II)1	Engineering Ethics2
Physical Education0	Physical Education (Swimming for Beginners)0	Physical Education (III)0	Physical Education (IV)	Modern Physics3	Introduction to Semiconductor Physics3	Applied electronic circuits and experiment3	Factory Practice (I)3	Science English Writing3
Chinese (I)2	Chinese (II)3	Engineering Mathematics (I)3	Engineering Mathematics (II)3	Electromagnetics (I)3	Electromagnetics (II)3	Setups of photovoltaic system3	Grand View on Robot2	Factory Practice (II)3
Manual Training (I)0	Manual Training (II)0	Optics Lab (I)1	Optics Lab (II)1	Introduction to Laser Principles3	Laser Fundamentals and Applications Lab1	Applied electronic circuits and experiment3	Iot-based internet marketing2	Time management using cloud services2
Navigating college1	Electric Circuits3	Optics (II)3	Optical Design3	Optical Fiber Communication3	Electric motorcycle diagnostics and repair1		Introduction to games and network information2	Introduction to mobile phone programming2
NUU Lectures1	General Chemistry3	Electronics (I)3	Electronics (II)3	Principles of Fiber Optic Devices3	Electric motorcycle diagnostics and repair practice1		Python programming and data analysis2	Introduction to electrical circuits automation3
Digital Logic Circuits3	Optics (I)3	Linear algebra3	Electronics Lab (I)1	Principles of High Frequency Circuit Design3	Introduction of elextric vehicles3		Image Processing3	Principles of Digital Camera and Applications3
General Physics (I)3	General Physics (II)3	Optical Component Fabrication and Testing3	Geometrical optics3	Holography3	Principles of electro-optical measurement and application3		Introduction to Biophotoic Technology3	Technology of Liquid Crystal Display3
General Physics Lab(I)1	General Physics Lab (II)1	Opto-mechanics3	Applied Optics3	Electronics (III)3	Thin Film Optics3		Laser Therapy Fundamentals and lab3	Introduction to Display Fabrication and Design3
Calculus (I)4	Calculus (II)4	Introduction to Optical Information Instruments3	Python AI 3	Interference Optical3	Electro-Optic Material and Devices3		Introduction to Semiconductor Fabrication3	Introduction to Thin Film Transistors3
Introduction to Electro-Optical Information3	Digital Logic Circuits Lab1	Computer Programming and Applications3		Functions of Complex Variables3	Radiometry, Photometry Colorimetry and Applications3		Optical High Polymer Material3	Student Project (III)1
Engineering ethics and law practise2		Vacuum Coating Lab1		Introduction to Optical Information Processing3	Signal and System3		Principles of Optical Data Storage3	Practical Training in Electro-Optic Industry (II)3
		Principles of Vacuum System and Optical Coating3		Principles of photovoltaic system3	Optical Instruments3		Gas Laser Manufacturing3	Ingenious invention and scientific engineering management3
		Advanced electric circuits3			Laser Physics3		Introduction to Liquid Crystal3	Introduction to Integrated Optics3
					Electro-Optical Signal Processing 3		Photovoltaic Battery3	Laser technology3
					Value Analysis3		Semiconductor Physics and Devices3	Integrated circult engineering3
					Principles of Laser Micro-Machining3		Solid state Lighting3	
					Principles of Flat Panel Display3		Practical Training in Electro-Optic Industry (I)3	
					Virtual instrument technology3			
					Optical Fiber Communication Projects3			

School Required
Completed 16 credits

Department Required
Completed 74 credits

College Elective
Completed 0 credits

Department Elective
Completed 29 credits

semiconductor and display technology

Optical communication and information

Optical metrology and laser application

Basic curriculum courses

Graduation requirements:
1.Basic opto-electronics program: passed at least 11 credits .
2.Advanced opto-electronics program: passed at least 6 credits in any of three advanced programs.